

Pattern Seeking: Skills Progression Grid

	Plan	Do	Review
Foundation	<ul style="list-style-type: none"> I am curious about patterns With help, I ask questions about patterns I talk about my ideas for finding out about patterns 	<ul style="list-style-type: none"> I use my senses to look closely for patterns I observe more than one thing at a time I make simple records of what I notice (with help where necessary) I use simple equipment to observe and record patterns 	<ul style="list-style-type: none"> I talk about what I have done and the patterns I noticed
Early primary	<ul style="list-style-type: none"> I ask questions about why and how things are linked With help, I decide what patterns to observe and measure and suggest how to do it 	<ul style="list-style-type: none"> I use non-standard units and simple equipment to record events that might be related I record in words or pictures, or in simple prepared formats such as tables, tally charts and maps 	<ul style="list-style-type: none"> I identify simple patterns and talk about them I make links between two sets of observations I begin to use scientific language to talk about patterns I talk about whether the pattern was what I expected
Middle primary	<ul style="list-style-type: none"> I talk about where patterns might be found and decide when questions can be investigated by pattern seeking I decide on which sets of data to collect, what observations to make and what equipment to use 	<ul style="list-style-type: none"> I use a range of equipment to collect data using standard measures I make records using tables, bar charts or simple scatter graphs I begin to use and interpret data collected through dataloggers 	<ul style="list-style-type: none"> I draw conclusions about simple patterns between two sets of data I talk about patterns using some scientific language I suggest improvements to the way I looked for patterns
Late primary	<ul style="list-style-type: none"> I recognise when variables cannot be controlled and when pattern seeking will help to answer my question I decide how detailed my data needs to be, and which equipment to use, to make my measurements as accurate as possible 	<ul style="list-style-type: none"> I use equipment accurately to collect observations I record data appropriately and accurately I present data in scatter graphs and frequency charts I recognise patterns in results I recognise the effect of sample size on reliability 	<ul style="list-style-type: none"> I draw valid conclusions from data about patterns and recognise their limitations I recognise the significance of relationships between sets of data I talk about and explain cause and effect patterns using scientific knowledge and understanding I evaluate how well I looked for patterns